

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	TP-4MS	SDG No.:	Q2779
Lab Sample ID:	Q2779-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/07/25 09:25	08/07/25 18:10	PB169156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	221			2.48	7.10	mg/kg
Total EPH	Total EPH	221			2.48	7.10	mg/kg

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	TP-4MS	SDG No.:	Q2779
Lab Sample ID:	Q2779-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069605.D	1	08/07/25	08/07/25	PB169156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	136	E	1.08	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	85.5	E	1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2779-01MS	Acq On:	07 Aug 2025 18:10
Client Sample ID:	Q2779-01MS	Operator:	YP/AJ
Data file:	FC069605.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.597	26560861	183.584	300	ug/ml
Aliphatic C12-C16	6.598	10.000	33698032	234.936	200	ug/ml
Aliphatic C16-C21	10.001	13.368	65399565	489.66	300	ug/ml
Aliphatic C21-C28	13.369	17.033	96407777	814.889	400	ug/ml
Aliphatic C28-C40	17.034	22.008	103323319	1080	600	ug/ml
Aliphatic EPH	3.300	22.008	325389554	2810		ug/ml
ortho-Terphenyl (SURR)	11.670	11.670	4340113	29.09		ug/ml
1-chlorooctadecane (SURR)	13.106	13.106	3743311	34.33		ug/ml
Aliphatic C9-C28	3.300	17.033	222066235	1720	1200	ug/ml